

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number : 10/828,480 Confirmation No.: 7194  
Applicant : John Lair *et al.*  
Filed : April 21, 2004  
Title : Wireless Headset For Communications Device  
TC/Art Unit : 2681  
Examiner: : Wayne Huu Cai  
  
Docket No. : 64337.000002  
Customer No. : 21967

**DECLARATION UNDER 37 C.F.R. § 1.132 OF ANTHONY J. SUTERA  
SUPPORTING PATENTABILITY AND TRAVERSING REJECTIONS IN  
OFFICE ACTION DATED AUGUST 22, 2005**

I, Anthony J. Sutera, being over eighteen years of age, declare, depose and state the following:

**Background**

1. My name is Anthony J. Sutera. I am the Chief Executive Officer of Radeum, Inc. ("Radeum"). Radeum is a corporation organized under the laws of Nevada, which began doing business as FreeLinc on or about December 16, 2003.

2. John C. Lair and I are named as inventors on a provisional patent application filed on September 19, 2003 (Application No. 60/503,949) entitled "Wireless Headsets For Two Way Radios." John Lair is the Co-Founder of Radeum. Two way radios (also referred to as walkie-talkies) are communications devices operating in a half-duplex mode or similar half-duplex type mode utilizing a transmit/receive (or push to talk, "PTT") switch. John Lair and I are also named as inventors on a second provisional patent application filed on December 9, 2003 (Application No. 60/527,776) entitled "Wireless Headsets For Communications Device." These two

provisional patent applications are based on our prior invention of the subject matter disclosed and claimed therein and our recognition that no wireless headset devices existed for two way radios and the disclosed communications devices.

3. John Lair and I are also named as inventors on a utility patent application filed on April 21, 2004 (Application No. 10/828,480) entitled "Wireless Headsets For Communications Device," which claims the benefit of provisional applications 60/503,949 and 60/527,776.

4. On June 9, 2005, I submitted a declaration in support of the patentability of the inventions claimed in Application No. 10/828,480. My June 9, 2005, declaration detailed the background leading up to the conception and reduction of practice of the inventions claimed in Application No. 10/828,480, and provided detailed information related to one commercial embodiment of our invention, namely the wireless headset product for two way radios sold as "FreeMotion 200" by Radeum (doing business as FreeLinc).

5. My June 9, 2005, declaration also described the commercial success of Radeum and its FreeMotion 200 product.

6. In the time since my June 9, 2005, declaration was submitted, Radeum and the FreeMotion 200 product have continued enjoy broad commercial success.

7. Presently over 500 FreeMotion 200 units are in the hands of customers or potential customers and Freelinc has received extremely positive feedback from the individuals and entities using the FreeMotion 200 product. More that 150 FreeMotion 200 units have been sold to customers, and more than 300 additional units are being tested pursuant to field test agreements entered into between Radeum and interested parties.

8. Some of the law enforcement entities that are currently testing the FreeMotion

200 product include the Drug Enforcement Agency of the U.S. Department of Justice, the Federal Bureau of Investigation, the Internal Revenue Service, the Homeland Security Department's Immigration and Customs Enforcement Bureau, the Defense Department's Pentagon Police, the Bureau of Alcohol, Tobacco, Firearms and Explosives of the U.S. Department of Justice, the New York City Police Department, the Los Angeles Police Department, the Boston Police Department, the Miami Police Department, the Dallas Police Department, and the Chicago Police Department.

9. The production schedule described in my June 9, 2005, declaration was slightly delayed based on customer feedback related to the type of plastic being employed in the headset. As a result in a change to our production specifications, Radeum expects to receive approximately 500 FreeMotion 200 units in the next 2-4 weeks and approximately 4,500 additional FreeMotion 200 units over the next 6-8 weeks.

10. Radeum's marketing focus continues to target the law enforcement, police, security, and emergency medical technician personnel. We have had extremely positive feedback from entities employing these types of individuals. For example, the FreeMotion 200 product was praised by Michigan's Wayne County Sheriffs following the use of the FreeMotion 200 product at the 2005 Major League Baseball All-Star Game in Detroit, Michigan. *See Exhibit A.* The FreeMotion 200 was also praised by Princeton University Department of Public Safety in connection with its use by the Department during a visit by Secretary of State Condoleezza Rice to Princeton University's campus. *See Exhibit B.*

11. Radeum continues to receive awards and accolades for the FreeMotion 200 product. The law enforcement website Officer.com identified FreeMotion 200 product as one of ten "truly unique" products for the law enforcement marketplace and worthy of its readers'

attention. See Exhibit C. Additionally, Positive Image News recently awarded Radeum (d/b/a Fereelinc) its "Award of Excellence" for "Most Innovative Product and Service." See Exhibit D.

12. Law enforcement personnel who have tested the FreeMotion 200 product are eager to purchase units as soon as possible. For example, the Drug Enforcement Agency of United States Department of Justice has committed to purchasing 500 FreeMotion 200 units as soon as the agency obtains approval for its budget from Congress. Other large law enforcement departments, including the Miami Police Department, the Atlanta Police Department, and the Provo Police Department, are eager to purchase significant quantities of FreeMotion 200 product after Radeum receives production quantities from its manufacturer.

13. Additionally, Radeum has been extremely successful in marketing the FreeMotion 200 product to the United States military and Defense Department. At the time I filed my earlier declaration, Radeum had just begun exploring marketing the FreeMotion 200 to the military and defense markets. Since my June 9, 2005, Declaration Radeum has demonstrated the FreeMotion 200 product to numerous officers, military personnel and defense contractors. As with the law enforcement personnel, the feedback from the military market has been extremely positive. Radeum views the military and defense markets as an extremely promising market opportunity. Radeum is in negotiations with General Dynamics to form a strategic relationship to get the FreeMotion 200 product into the military market.

14. Raedum is also exploring opportunities with other defense contractors to make the FreeMotion 200 product available to the defense community. For example, several large military two-way radio manufacturers are interested in having Radeum build adapters for their specific radio models. Harris Corporation's RF Communications Division (in Rochester, New

York) has already executed a Memorandum of Understanding with Radeum for proof of concept development using Radeum's wireless headset technology with their proprietary two way radios used by the U.S. military. Radeum has already completed such prototypes and had a successful meeting with Harris representatives on November 18, 2005. Radeum has also been contact by several other large companies, including Iridium Satellite LLC, Thales Inc., and Motorola, that have expressed an interest purchasing and/or partnering with Radeum for the sale and marketing of the FreeMotion 200 to the federal military and defense markets. Based on these companies' interest and the interest of the U.S. Dept. of Defense and other U.S. military representatives, it is clear that Radeum's FreeMotion 200 product will be a commercial success in the military and defense markets.

15. In addition to the seven employees identified in my June 9, 2005, Declaration Radeum has recently hired a Vice President of Finance, and a Vice President of production, a Manager of Domestic Sales and a telesales / customer service representative.

16. Based on the information in my June 9, 2005, Declaration and the information in this declaration, it is clear that Radeum's FreeMotion 200 product currently enjoys and will continue to enjoy considerable commercial success. The commercial success of the FreeMotion 200 product is demonstrated by the significant amount of investment Radeum has received based on the fact that the FreeMotion 200 product is Radeum's first product offering. The success of Radeum's ability to attract in excess of \$2,000,000 in capital and aggressively begin production and distribution of the FreeMotion 200 product is derived directly from Radeum's presentation to investors, distributors and consumers of wireless headsets for use with two way radios.

17. Commercial success of the FreeMotion 200 product is also demonstrated by sale and successful testing of the FreeMotion 200 product. Further, Radeum has received

commitments from several organizations for substantial orders of the FreeMotion 200 product as soon as Radeum receives sufficient quantities from its Chinese manufacturer. *See, e.g.*, ¶12.

18. Commercial success of the FreeMotion 200 product is further demonstrated by the extreme interest the product has generated in virtually every informational meeting we have had with representatives from the police, military, defense, security, and emergency medical technician forces. Indeed, the military market appears to be the largest and most lucrative market for the FreeMotion 200 product, based on meetings with members of the military and defense contractors. There is no question that Radeum is able to sell a significant number of FreeMotion 200 products as soon as they are manufactured and available for sale.

19. Evidence of the commercial success of the FreeMotion 200 product is further demonstrated by the successful field testing of more than 300 FreeMotion 200 units. Given the positive feedback from individuals testing the FreeMotion 200 product, Radeum will be able to quickly sell out its first production run of approximately 5000 FreeMotion 200 products.


20. Finally, the commercial success of the FreeMotion 200 product is further evidenced by the fact that no competitor of Radeum exists in the marketplace offering a wireless headset for two way radios. Radeum currently has 100% of the market for wireless headset products that can be used with two way radios.

21. It continues to be the case that the success of the FreeMotion 200 product is attributed to the technology claimed in the pending patent application. The FreeMotion 200 is the first wireless headset for use with two way radios. As addressed in my June 9, 2005, Declaration, the FreeMotion 200 includes a headset with a ear speaker, microphone, and push-to-talk switch for controlling the transmit/receive function of two way radios. The FreeMotion 200 includes a transceiver for communicating with a two way radio. The transceiver is adapted to

wirelessly transmit a transmit mode signal to the two way radio. The FreeMotion 200 communicates with the two way radio through an adapter attached to the two radio. The adapter receives signals, including transmit mode signals, from the FreeMotion 200 headset. The adapter provides signals, including transmit mode signals, to the two way radio. The relevant functionality of the FreeMotion 200 has not changed since my June 9, 2005, Declaration.

The undersigned declares further that all statements made herein of his own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Date: December 8, 2005

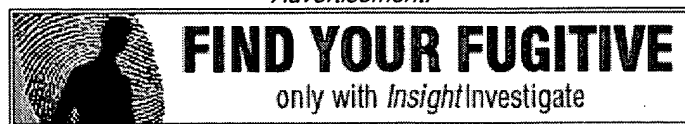
By:   
Anthony J. Sutera



(K)



Advertisement:



10/07/2005

## FreeLinc's New Wireless Headsets to be Tested by Police Deputies at MLB All-Star Game in Detroit

### Sheriff's Special Response Team will be the World's First to Field-test New Technology

DETROIT, Michigan - "Wayne County Sheriff's deputies will have their hands full helping protect Comerica Park during the 2005 Major League Baseball All-Star Game, but at least those hands won't be tied up with cables from their radios," Sheriff Warren Evans of Detroit's Special Response Team said today. His department will be the first in the world to field test the FreeMotion™ 200, a new wireless headset for two-way radios produced by Salt Lake City-based FreeLinc, Inc.

Officers from the Sheriff's Special Response Team (SRT) will be posted in the recesses of Comerica Park during the All-Star Game, ready to respond to any critical incidents. Evans stated that twenty of his officers would be equipped with the small, lightweight (30g) yet rugged headsets for the game.

"Any officer will tell you how frustrating it can be to have to fumble with radio controls, handsets and cords when trying to do a job," Evans said. "It's a particular concern in high-level operations where mental focus is paramount. The FreeMotion devices we're testing will allow our team to communicate totally hands-free. So they'll work with increased safety and security - without interruption."

"The FreeMotion 200 headset has the distinction of being the world's first wireless headset made for two-way radios" says Anthony J. Sutura, FreeLinc's CEO. "Like all FreeLinc products, the FreeMotion is based on a unique wireless technology that provides dramatic benefits to the law enforcement community. We are honored and excited to see our products in use at the All-Star Game."

The technology mentioned by Sutura is LibertyLink™ near-field magnetic induction, which confines communication signals to a user's personal space and protects them from eavesdroppers or interference. LibertyLink provides superior reliability, privacy and battery life over typical radio frequency (RF) based solutions - such as Bluetooth - in extremely short-range applications.

The FreeMotion 200 product provides up to twenty hours of continuous talk time on one battery charge. The headset features voice-operated transmission (VOX) to allow for completely hands-free, secure communication, which is unprecedented in the push-to-talk two-way radio world. FreeMotion 200 will be available for order directly from FreeLinc this fall.

#### **About FreeLinc, [www.freelinc.com](http://www.freelinc.com)**

*Founded in 2003, FreeLinc ([www.freelinc.com](http://www.freelinc.com)) emerged on the emergency response scene with the industry's first and only wireless accessories for two-way radios. The Utah-based company's innovative, patent-pending concepts answered users' needs for space savings, reliability, durability and comfort while operating two-ways. FreeLinc's product line was developed to fit commercial, public safety and government/military applications. By focusing exclusively on these markets, the wireless-accessories pioneer has been able to provide technologically superior products and back them with reliable, knowledgeable service. Its vigilant efforts to "untether" workers from their bulky two-ways have already earned it much growth and recognition. Hence FreeLinc is fast becoming known as a leading brand in mission-critical product design. FreeLinc will continue on this success track for years to come, refining existing products and introducing freedom-of-motion to vastly more customers across the country and around the globe.*



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(b)

## **University Police Department Chooses FreeLinc's Wireless Headsets for Executive Protection Detail**

### **FreeMotion 200™ Worn by Key Security Personnel Covering Condoleezza Rice**

Posted: October 12th, 2005 03:57 PM EDT

*Courtesy of FreeLinc*

Princeton, NJ – October 11th, 2005 — FreeLinc has joined forces with the Princeton University Department of Public Safety (DPS) to provide security officials with tangle-free, secure communication while protecting high-profile guests. The DPS initiated its new state-of-the-art wireless devices during last week's campus visit by Secretary of State Condoleezza Rice.

Given the security issues surrounding prestigious political guests, the department wanted the most reliable personal communication tools available for Rice's protection. FreeLinc's wireless accessories for two-way radios, which are based on a unique non-RF technology, answered the call. Ten of the DPS team's most critical posts were equipped with small FreeMotion™ 200 single-ear headsets for completely cord-free two-way radio communication during the October 2nd engagement.

"FreeMotion 200 headsets were a perfect fit for the DPS. In addition to performing remarkably well, their small size and light weight made them comfortable to wear-I actually forgot I was wearing mine," said Steven Healy, the University's Chief of Police. "What's more, their hands-free convenience and tangle-free safety let us maintain communication while keeping full focus on the environment surrounding our guest," he said.

"When you're responsible for protecting prominent figures, particularly in today's hostile political climate, reliable communication is vital," said John Lair, FreeLinc Vice-President. "FreeLinc's unique wireless technology ensured that the DPS' communication during the event was immune to interference, dropped signals, tampering and eavesdropping. Our headsets will help them provide a safer campus environment-not only for celebrity visits, but for day-to-day operations," he said.

"The FreeMotion 200 headset is the world's first wireless headset available for two-way radios," said Anthony J. Sutera, FreeLinc's CEO. "Like all FreeLinc products, the FreeMotion is based on a unique magnetic induction-based wireless technology that provides dramatic benefits to the law enforcement community. Our company is completely focused on improving officer safety and effectiveness, and we're very pleased that DPS selected our products for such an important mission," he said.

The wireless technology supporting all FreeLinc accessories is LibertyLink™, developed by Aura Communications Technology, Inc. LibertyLink is a near-field magnetic induction technology, which confines communication signals to a user's personal space and protects them from eavesdroppers or interference. LibertyLink provides superior reliability, privacy and battery life over typical radio frequency (RF) based solutions – such as Bluetooth – in extremely short-range applications.

Healy, who is the President-Elect of the International Association of Campus Law Enforcement Administrators (IACLEA), the leading campus public safety association in the world, says that the FreeMotion headset is a great solution for campus agencies. "Campus Public Safety departments are often responsible for staffing several hundred special events each year," Healy said. He added that the cord-free device enhances officer's ability to maintain communications in high-noise, high-mobility environments.

FreeMotion products provide up to twenty hours of continuous talk time on one battery charge. The

headset features optional voice-operated transmission (VOX) to allow for completely cord-free, hands-free, and secure communication, which is unprecedented in the push-to-talk two-way radio world. FreeMotion 200 is available for order directly from FreeLinc.

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### **About FreeLinc**

Founded in 2003, FreeLinc emerged on the emergency response scene with the industry's first and only wireless accessories for two-way radios. The Utah-based company's innovative, patent-pending concepts answered users' needs for space savings, reliability, durability and comfort while operating two-ways. FreeLinc's product line was developed to fit commercial, public safety and government/military applications. By focusing exclusively on these markets, the wireless-accessories pioneer has been able to provide technologically superior products and back them with reliable, knowledgeable service. Its vigilant efforts to "untether" workers from their bulky two-ways have already earned it much growth and recognition. Hence FreeLinc is fast becoming known as a leading brand in mission-critical product design. FreeLinc will continue on this success track for years to come, refining existing products and introducing freedom-of-motion to vastly more customers across the country and around the globe.

LibertyLink and Aura are registered trademarks of Aura Communications Technology, Inc.

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## New Tech Products at 2005 IACP Show

Posted: October 3rd, 2005 09:35 AM EDT

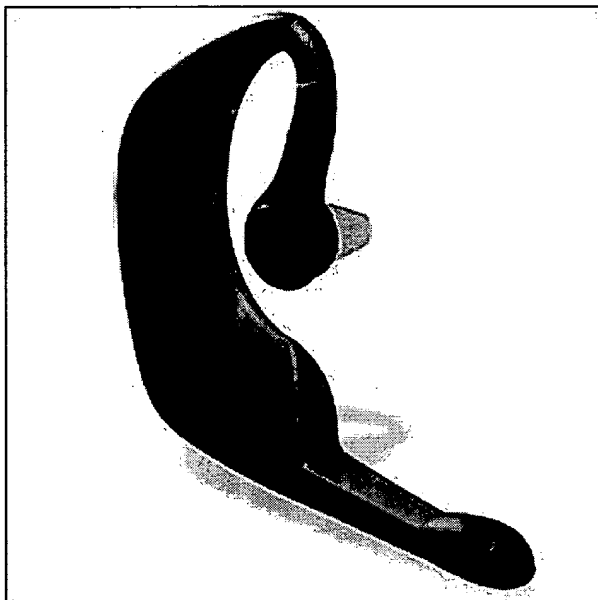
**TIM DEES**

*Editor-in-Chief, Officer.com*

If you didn't already know, the annual meeting of the International Association of Chiefs of Police is the Big Toy Show of the year for cops. Vendors of police equipment and services know that this meeting will host more of the decision makers in law enforcement than any other, and they do their best to get their wares in front of those people during the three days of the trade show. The trade show floor has grown so much that it is difficult to see all of the exhibitors over the three days, and each year IACP still turns away many vendors that can't get booth space.

Many of the products on display are touted as new and unlike any other on the market, but more often than not they are near-copies of other products that really were new when introduced, and have a different façade or a minor feature added to distinguish them from the competition. So it takes a careful eye to sort out the really innovative stuff from the rest. Below are ten products that we felt were truly unique to the law enforcement marketplace and worthy of your attention.

### Freeline



Patrol and tactical officers have long appreciated the value of radio headsets to improve clarity and to keep information in transmissions from the ears of suspects. The biggest problem associated with headsets is what to do with the cord that connects the headset to the radio. No matter how that cord is routed, it tends to catch on things or gets pulled out at inopportune times.

Freeline is a wireless headset that does not use radio frequency (RF) technology to communicate with the mated radio. Instead, the Freeline system uses a near-field magnetic technology to create a magnetic field "bubble" of about five feet around the user. As long as both the radio and the headset are within that bubble, the two will communicate. The system modulates the magnetic field to get data to and from the radio transceiver and the headset. The system is inherently private and secure, and the only likely interference is when two users overlap bubbles, a situation easily

### Freeline

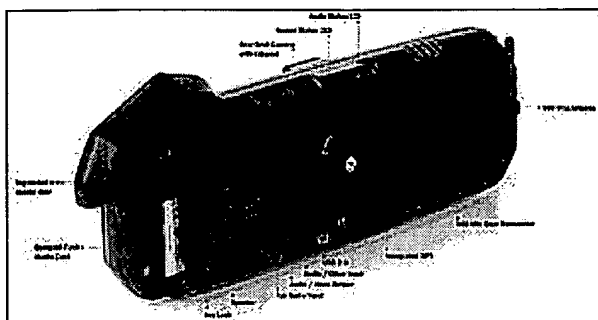
resolved by moving away a few steps.

The headset uses a rechargeable lithium battery that will provide 20 hours of continuous talk time, far beyond that of RF units. The adapter that mounts to the radio draws its power from the radio's battery and reduces the operating time of the battery very slightly. Adapters are available for a variety of portable radios used by public safety personnel. There is a push-to-talk button on both the adapter and the headset, so the wearer can use whichever he finds more convenient.

### Anteon Mobile Tactical Trainer

The Mobile Tactical Trainer from Anteon is a portable environment that can be set up to match the floor plan of just about any structure for the purpose of rehearsing tactical entries and search patterns. The same structure can be fitted with visible light and infrared cameras and smoke generators to reduce visibility, if desired. The unit will accommodate multiple-story structures and can be transported to

## Digital Ally



The in-car video market has expanded tremendously with lots of me-too versions that mostly use one of two configurations. Either the recording hardware is in the trunk, or an entire recorder and camera unit is mounted on the car's headliner. At least one other model mounts entirely inside the dash panel, but that requires some substantial installation work. The Digital Ally video system is contained inside a module that replaces the rear-view mirror in the patrol car. A separate camera mounts on the sun visor post, as is the case with most models. Controls for the recorder and player are

The system includes an integrated GPS receiver that constantly records the location of the vehicle, and has a "mark" feature to record a specific location when needed, all at the push of a single button. Pre-event recording dumps the previous 60 seconds of activity to the recording medium when the record function is activated. Digital Ally also builds a recorder into an LED flashlight that illuminates, records, or does both at the same time.

The SkyCam from ReconVision has gotten some press recently, as these are the cameras that have been deployed on the streets of Chicago. Cameras in vandal-resistant enclosures are mounted on utility poles and buildings so that officers in remote locations can watch street activity and order in patrol units as needed. These cameras are full color and full motion, with 22X zoom capacity and a range of up to two miles. When mated with a squad car-portable RECON Mobile DVR, officers in range of a SkyCam can watch the camera's output from a secure and concealed location, and control the camera's movement and zoom.

Handcuffs are another mundane, unglamorous police tool. There doesn't seem to be much that can be done with them, especially when NIJ has mandated that they all use the same key and locking mechanism. Even still, ASP has made some improvements on the basic version with their new tactical handcuffs. The cuffs have a polymer overmold on the cheekplate (the double arm) portion that comes in several bright colors. Agencies and even divisions within agencies can color-code their cuffs to insure that they come back to the right place after being used in the field. Instead of having a keyhole on only one side, these cuffs have keyholes on both sides, so there's never any "upside down" problem in removing them.

A color indicator clearly shows whether the cuffs are

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ASP Handcuffs

double-locked or not, and the cuffs can be unlocked by turning the key in one direction, even if the cuffs are double-locked. If the lock mechanism is damaged, the lock set can be replaced without having to discard the entire handcuff.

### VirTra IVR Training System

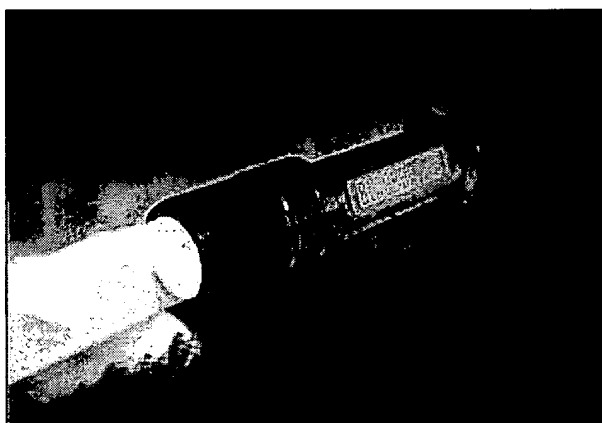
Multimedia use of force simulators have been with us for over twenty years, and they have improved tremendously over that time in terms of sophistication, versatility, and realism. Even so, one drawback is that threats came only from one, or at most two, directions. Because the shooter couldn't be between the projector and the screen, there were limitations on how many axes could be shown at the same time. VirTra has overcome this limitation with a system of multiple screens that all use rear-projection technology, and are coordinated so that objects move seamlessly from one screen to the next. Speakers below each screen insure that sounds come from the same direction as the visual

cues.

The system can be configured to 180, 300, or 360 degree scenarios. The 360 degree model employs a door set into one screen that is seamless when closed. All video is recorded in high definition, so that small details such as license plates are easily readable. The system employs a variety of firearms and less-lethal weapons such as chemical sprays, batons, and Tasers®. With some sidearms, officers can use their regular handgun by replacing the slide with a VirTra model that contains a laser and will not permit discharge of ammunition. Other models contain a CO2 cartridge that provides realistic recoil when the gun is fired.

The multiple screen IVR systems can be reconfigured so that the screens are stretched out along a single axis, creating a virtual multi-lane firing range. In either surround or single-axis mode, the system can support up to six shooters simultaneously, and will support live fire with the use of an optional screen.

### Blackhawk Gladius



Blackhawk Gladius  
of heat.

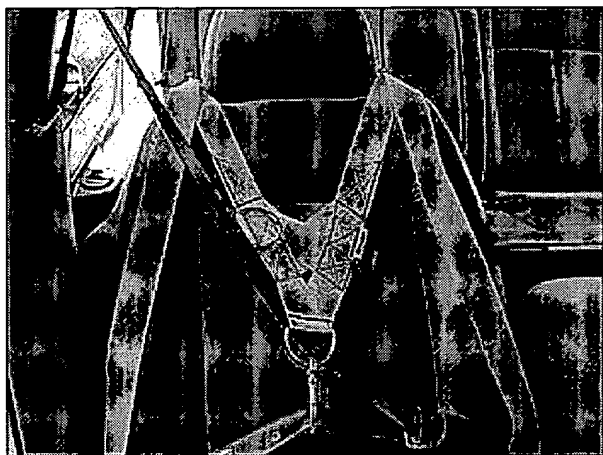
One wouldn't think that the lowly flashlight could get much done to it. You push a button and it lights up, right? What else is it supposed to do? The first big change from the old big metal light was to use Xenon bulbs and rechargeable batteries. About fifteen years ago, the first small form-factor lights that would put out just as much light as the big ones became popular. Most recently, the power-hungry Xenon bulbs are being phased out in favor of light-emitting diodes (LEDs) that put out light with minimum amounts

Blackhawk's Gladius™ light is one of these, but with some valuable and unique features. First, the LED

is extremely bright, and puts out almost pure white light. A tailcap button provides one-thumb operation, but there is also a ring that rotates above the tailcap. Turned to one stop, the light will stay on when the button is pressed and released. Turned to the other stop, the button is a momentary on/off switch. Turned in between, and a press of the tailcap button emits a blinding strobe light that will disorient a suspect and make a takedown or disarm maneuver much easier. All settings "stage" and don't take effect until the button is pressed. Therefore, the light can be on constant beam when the ring is moved, then will go to strobe mode when the button is pressed next.

In steady-burning mode, holding down the tailcap button will dim the light gradually and allow a brightness setting at any point. Power comes from two lithium cells, which will run the light for about 90 minutes at full brightness and over 100 hours at the lowest setting. The light is weapon-mountable with a 3rd party mounting ring.

## MJM Restraints



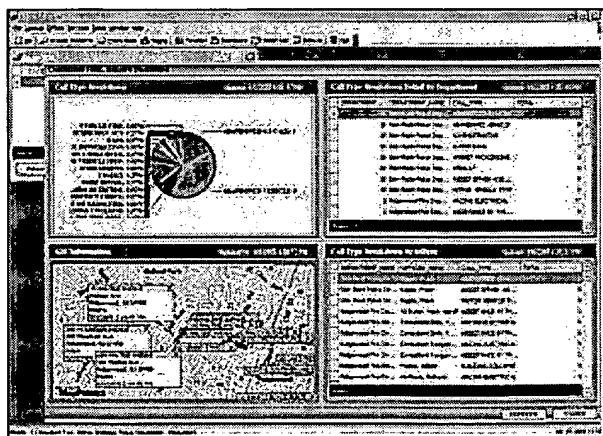
MJM Restraints

Although it seems like it would be a standard tool, there are many patrol cars in service that still do not have prisoner cages. And even the officers that do have prisoner cages have to contend with prisoners that get out of control and kick out windows or slip handcuffs and wiggle through a partition window. The most common solution has been to "hog tie" prisoners, but this can lead to positional asphyxia, prisoner deaths, and civil and criminal liability.

The Suspect Safety Sling from MJM Restraints is a simple construction of web straps and buckle hardware that will attach to any car seat with a headrest. It keeps the suspect from slipping cuffs under their feet, squirming out of the seat belt, or kicking, and all while

keeping them in a seated position. The device can easily be moved from one car to another, so it's suitable for officers that don't always drive the same car.

## Enforsys



Enforsys

Enforsys introduced a product called I-3 Exchange, designed to allow law enforcement agencies with disparate information management systems to share data and broaden the scope of their intelligence networks. To date, most information sharing systems have been incident-based, containing only superficial data on what crimes occurred where, who was stopped and cited, what vehicles were pulled over, and so on. The more complete details that are contained in crime and investigative reports are usually available only to members of the agency that produced the reports. This is because there are so many information management systems in use, and their databases are of proprietary design, so they can't readily "talk" to each other.

I-3 Exchange uses XML translation to interpret data from multiple divergent sources and make it comparable between systems. This way, a burglar who was operating in multiple jurisdictions, but using a common method of entry and pattern of search, would come to the attention of investigators much



sooner than would otherwise be likely.

I-3 Exchange has been in beta testing with a number of agencies in New Jersey. The final version will be going "live" in the fourth quarter of 2005.

### StarChase

StarChase is a proof-of-concept product (meaning that it's been shown to work, but it's not yet for sale) intended to reduce the risk of vehicle pursuits by police. The scenario goes like this: when a police vehicle is chasing a suspect, the officer fires a resin-coated projectile at the suspect car from a special launcher similar to a paintball gun. The sticky "bullet" adheres to the fleeing vehicle. At the same time, a wireless modem connected to a GPS receiver, and both contained inside the projectile, starts transmitting geographic coordinates of the car. The launcher can also be fired by a free-standing officer.

The suspect vehicle can now be tracked with off-the-shelf mapping software, and officers positioned to intercept the suspect, rather than chase him.

StarChase expects the first systems will be deployed in the field in 2006. Their web site has a video of the system in action.

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Video

Wireless Telephony

**Product/Service :** FreeLinc Magnetic Communication Technology™

MSRP: NA-W

**URL:** <http://www.freelinc.com>

RATING: ★★★★★



## FreeLinc Magnetic Communication Technology

*by: Rev. James G.W. Fisher - 16 September, 2005*

*FreeLinc introduces the most innovative new concept ever devised for two-way radio communication which is immune to RF interference. Now fire department, law enforcement, and many other public safety tasks can be taken to a whole new level in communication.*

### *A New Evolution of Technology..*

A new evolution of technology is without a doubt the perfect definition of FreeLinc. RF interference has been a constant issue in clear communication on many fronts, but FreeLinc has introduced a new solution using magnetic communication technology. This new technology eliminates the age old issue of RF interference.

### *Magnetic Communication Technology? What's It All About?*

FreeLinc utilizes a near-field magnetic communication technology to support the wireless capabilities of all FreeLinc products. As the folks at FreeLinc put it, "There is literally a magnetic communications "bubble" created between the headset or speaker-microphone and the base unit. This communications bubble is immune from RF interference and virtually secure from eavesdropping. The

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bubble requires minimal power to maintain, so this allows for extended talk time of up to 20 continuous hours in most FreeLinc products."

### *What's This Mean For Two Way Radio Users?*

Essentially, the use of magnetic communication technology in use with FreeLinc products ensures a far safer and effective communication level like never before seen. With better communication you have better productivity. It's simple as that. There is no question about it, FreeLinc products easily meet the high expectations required to be met to gain our recommendation for purchase. FreeLinc products are a sound investment that assures not only greater safety and productivity but the bottom line is met..PROFIT! We highly recommend this product line.

### *FreeLinc Delivers An Award Winning Line of Products*



FreeLinc™ is delivering a whole new line of products for the two-way radio industry that is a major hit. It is this new pathway in two-way radio wireless accessories that helps FreeLinc™ to earn the highly coveted *Positive Image News - "Award of Excellence"*, for "*Most Innovative Product and Service*". I can highly recommend FreeLinc™ with no hesitation to all buyers in two-way radio communication.



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